



Docket No.: 1012-003

**PATENT**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of: Kyusik Sin et al.

Confirmation No.: 2190

Serial No.: 09/943,859

Examiner: Tianjie Chen

Filed: Aug 30, 2001

Group Art Unit: 2552

For: SPIN-DEPENDENT TUNNELING  
READ/WRITE SENSOR FOR HARD  
DISK DRIVES**RECEIVED**

JUN 15 2004

Technology Center 2000

TRANSMITTAL FOR ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Response / Amendment <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/Declaration(s)	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1. Transmittal & Substitute Specification 2. Return Acknowledgement postcard
<input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement, PTO Form-1449, & cited Reference(s) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<b>Remarks</b> - Petition for Extension of Time is enclosed with a duplicate copy. - Substitute specification includes marked-up and clean versions	

The fee, if required, has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	20	20	0	x \$18 =	\$ 0.00
Independent Claims	4	4	0	x \$86 =	\$ 0.00
If multiple claims newly presented, add \$290					
Fee for extension of time					110.00
(see enclosed Petition) TOTAL FEE					\$110.00

- ☒ See the Petition for Extension of Time for payment of this fee.
- ☒ The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment, to Deposit Account No. **50-0374**, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

Mikio Ishimaru  
Registration No. 27,449  
Date: June 4, 2004

CERTIFICATE OF MAILING OR TRANSMISSION			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date below: <b>Express Mail Label No.: EV 401943894 US</b>			
Type or printed name	Vickie Ishimaru		
Signature		Date	June 4, 2004